Pain, 64 (1996) 621–624
© 1996 Elsevier Science B.V. All rights reserved 0304-3959/96/$15.00

Contents to Volume 64 (1996)

Number 1 – January 1996

Clinical Review

Post-sympathectomy neuralgia: hypotheses on peripheral and central neuronal mechanisms
R.C. Kramis, W.J. Roberts and R.G. Gillette (USA) 1

RESEARCH PAPERS

Medial frontal cortex lesions selectively attenuate the hot plate response: possible nocifensive apraxia in the rat
L.N. Pastoriza, T.J. Morrow and K.L. Casey (USA) 11

The formalin test in rat: validation of an automated system
M.F. Jett and S. Michelson (USA) 19

Contributions of injured and intact afferents to neuropathic pain in an experimental rat model
Y.W. Yoon, H.S. Na and J.M. Chung (USA) 27

Fixed-diameter polyethylene cuffs applied to the rat sciatic nerve induce a painful neuropathy: ultrastructural morphometric analysis of axonal alterations
T. Mosconi and L. Kruger (USA) 37

Lignocaine selectively reduces C fibre-evoked neuronal activity in rat spinal cord in vitro by decreasing *N*-methyl-D-aspartate and neurokinin receptor-mediated post-synaptic depolarizations; implications for the development of novel centrally acting analgesics
I. Nagy and C.J. Woolf (UK) 59

Dose-dependent competitive block by topical acetylsalicylic and salicylic acid of low pH-induced cutaneous pain
K.H. Steen, P.W. Reeh and H.W. Kreysel (Germany) 71

Parents' management of children's pain following 'minor' surgery
G.A. Finley, P.J. McGrath, S.P. Forward, G. McNeill and P. Fitzgerald (Canada) 83

Determinants of success and failure of EMLA
J. Lander, M. Hodgins, S. Nazarali, J. McTavish, J. Ouellette and E. Friesen (Canada) 89

Ro 15-8081 in osteoarthritis of hip and knee: a double-blind placebo-controlled multicentre dose-ranging study on analgesia
D. Bolnot-Delmas, J.-P. Buch, H. Zeidler and M. Dougados (France, Switzerland, Germany) 99

Assessment of cancer pain: a prospective evaluation in 2266 cancer patients referred to a pain service
S. Grond, D. Zech, C. Diefenbach, L. Radbruch and K.A. Lehmann (Germany) 107

A comparison of morphine, pethidine and fentanyl in the postsurgical patient-controlled analgesia environment
A. Woodhouse, A.F.T. Hobbes, L.E. Mather and M. Gibson (Australia) 115

Experimental pain stimulates respiration and attenuates morphine-induced respiratory depression: a controlled study in human volunteers
F.M. Borgbjerg, K. Nielsen and J. Franks (Denmark) 123

A comparison of the effects of noxious and innocuous counterstimuli on experimentally induced itch and pain
L. Ward, E. Wright and S.B. McMahon (UK) 129

Nitric oxide as a chemical link in the generation of pain from veins in humans
D. Kindgen-Milles and J.O. Arndt (Germany) 139

The effect of age on Aδ- and C-fibre thermal pain perception
M.C. Chakour, S.J. Gibson, M. Bradbeer and R.D. Helme (Australia) 143

Perception of fault in patients with chronic pain
D.E. DeGood and B. Kiernan (USA) 153

The role of spinal cord activation before neurectomy in the development of autotomy
H. Asada, Y. Yamaguchi, S. Tsunoda and Y. Fukuda (Japan) 161

Estrogen and progesterone activate spinal kappa-opiate receptor analgesic mechanisms
M.E. Dawson-Basoa and A.R. Gintzler (USA) 169

The NMDA receptor antagonist MK-801 reduces Fos-like immunoreactivity in central trigeminal neurons and blocks select endocrine and autonomic responses to corneal stimulation in the rat
D.A. Bereiter, D.F. Bereiter and C.B. Hathaway (USA) 179

Capsaicin activated currents in rat dorsal root ganglion cells
L. Liu, Y. Wang and S.A. Simon (USA) 191

Monitoring adequacy of α-adrenoceptor blockade following systemic phentolamine administration
S.N. Raja, J.L. Turnquist, S. Meleka and J.N. Campbell (USA) 197

LETTERS TO THE EDITOR

Additional comments on non-steroidal anti-inflammatory drugs and topical analgesia (PAIN, 61 (1995) 494–495)
D.A. Willoughby, A.R. Moore and M.P. Seed (UK) 205
Pain specialists and pain terms
H. Merskey (Canada) 205
Does invasive medical treatment confound the assessment of out-patient cognitive-behavioral therapy for chronic non-malignant pain?
R.W. Millard and J. Porzelius (USA) 206
Reply to C. Spanswick, T. Johnson and K. Booker
I. Pilowsky and N. Spence (Australia) 206
Reply to Millard and Porzelius
I. Pilowsky and N. Spence (Australia) 207
Comments on Pilowskey et al.
C. Spanswick, T. Johnson, K. Booker and S. Lane (UK) 207

Number 2 – February 1996

Review Article

An analytical review of 24 controlled clinical trials for fibromyalgia syndrome (FMS)
K.P. White and M. Harth (Canada) 211

RESEARCH PAPERS

Can stress-related shoulder and neck pain develop independently of muscle activity?
O. Vasseljen, Jr. and R.H. Westgaard (Norway) 221
The influence of low back pain on muscle activity and coordination during gait: a clinical and experimental study
L. Arendt-Nielsen, T. Graven-Nielsen, H. Svarrer and P. Svensson (Denmark) 231
Sensory-motor interactions of human experimental unilateral jaw muscle pain: a quantitative analysis
P. Svensson, L. Arendt-Nielsen and L. Houe (Denmark) 241
Mechanisms of spontaneous tension-type headaches: an analysis of tenderness, pain thresholds and EMG
R. Jensen (Denmark) 251
Cognitive coping and appraisal processes in the treatment of chronic headaches
M.M. Ter Kuile, P. Spinhoven, A.C.G. Linssen and H.C. Van Houwelingen (The Netherlands) 257
Transcutaneous electric nerve stimulation (TENS) during distension shoulder arthrography: a controlled trial
B. Morgan, A.R. Jones, K.A. Mulcahy, D.B. Finlay and B. Collett (UK) 265
A new method of recording somatosensory evoked potentials by randomized electrical tooth stimulation with 6 levels of intensity
M. Umino, T. Ohwatari and M. Nagao (Japan) 269
The effects of isoflurane on repeated nociceptive stimuli (central temporal summation)
S. Petersen-Felix, L. Arendt-Nielsen, P. Bak, M. Fischer, P. Bjerring and A.M. Zbinden (Switzerland, Denmark) 277
NMDA receptor blockade in chronic neuropathic pain: a comparison of ketamine and magnesium chloride
S. Felsby, J. Nielsen, L. Arendt-Nielsen and T.S. Jensen (Denmark) 283
Amitriptyline effectively relieves neuropathic pain following treatment of breast cancer
K. Eija, T. Tiina and N. Pertti J (Finland) 293
Traumatic nociceptive pain activates the hypothalamus and the periaqueductal gray: a positron emission tomography study
J.-C. Hsieh, M. Ståhle-Bäckdahl, Ö. Hägermark, S. Stone-Elander, G. Rosenquist and M. Ingvar (Sweden, Taiwan) 303
Role of endothelin in mediating neurogenic plasma extravasation in rat dura mater
P. Brändli, B.-M. Löffler, V. Breu, R. Osterwalder, J.-P. Maire and M. Clozel (Switzerland) 315
Intraplantar injection of nerve growth factor into the rat hind paw: local edema and effects on thermal nociceptive threshold
R. Amann, R. Schuligoi, G. Herzeg and J. Donnerer (Austria) 323
Variation in the placebo effect in randomised controlled trials of analgesics: all is as blind as it seems
H. McQuay, D. Carroll and A. Moore (UK) 331
A double-blind randomised comparison of the effects of epidural clonidine, lignocaine and the combination of clonidine and lignocaine in patients with chronic pain
C. Glynn and K. O'Sullivan (UK, Ireland) 337
Formalin-evoked activity in identified primary afferent fibers: systemic lidocaine suppresses phase-2 activity
S. Puig and L.S. Sorkin (USA) 345
Age is the best predictor of postoperative morphine requirements
P.E. Macintyre and D.A. Jarvis (Australia) 357
Expression of μ- and κ-, but not δ-, opioid receptor mRNAs is enhanced in the spinal dorsal horn of the arthritic rats
K. Maekawa, M. Minami, T. Masuda and M. Satoh (Japan) 365
Concerning the homology of painful experiences and pain descriptors: a multidimensional scaling analysis
M.N. Janal (USA) 373
The influence of warning signal timing and cognitive preparation on the aversiveness of cold-pressor pain
M. Weisenberg, J. Schwarzwald and I. Tepper (Israel) 379

Memory for labor pain: context and quality
C.A. Niven and E.E. Brodie (UK) 387

LETTERS TO THE EDITOR

Comments on Gunn, *PAIN*, 60 (1995) 349–350
M.L. Cohen and J.L. Quintner (Australia) 393
Two in one: the genesis of central pain
S. Canavero, V. Bonicalzi and G. Castellano (Italy) 394
Comments on Thurston and Randich
H.L. Fields and M.M. Heinricher (USA) 396
Reply to Fields & Heinricher
C. Thurston and A. Randich (USA) 397
Analgesia and oral opioid consumption: strengths and shortcomings of methods
M.-M. Backonja and B.A. Gosnell (USA) 398
On 'strengths and shortcomings': reply to the letter by Backonja and Gosnell
R.C. Kupers and J.M. Gybels (Canada, Belgium) 399
Comments on Stubhaug, Grimstad and Breivik, *PAIN*, 62 (1995) 111–118
A.P.E. Vielvoye-Kerkmeer (The Netherlands) 401
Reply to P.E. Vielvoye-Kerkmeer
A. Stubhaug, J. Grimstad and H. Breivik (Norway) 402
Comments on Pentland and Donald
D. Genis and C. Busquets (Spain) 402

Number 3 – March 1996

Review Article

Back pain and pregnancy: a review
M. MacEvilly and D. Buggy (Ireland) 405

RESEARCH PAPERS

Modulation of pressure pain thresholds during and following isometric contraction in patients with fibromyalgia and in healthy controls
E. Kosek, J. Ekholm and P. Hansson (Sweden) 415
Chronic low back pain measurement with visual analogue scales in different settings
M. Ogon, M. Krismer, W. Söllner, W. Kantner-Rumplmair and A. Lampe (Austria) 425
Course of psychological variables in whiplash injury – a 2-year follow-up with age, gender and education pair-matched patients
B.P. Radanov, S. Begré, M. Sturzenegger and K.F. Augustiny (Switzerland) 429
A new analogue scale for assessing children's pain: an initial validation study
P.A. McGrath, C.E. Seifert, K.N. Speechley, J.C. Booth, L. Stitt and M.C. Gibson (Canada) 435
Anger management style, hostility and spouse responses: gender differences in predictors of adjustment among chronic pain patients
J.W. Burns, B.J. Johnson, N. Mahoney, J. Devine and R. Pawl (USA) 445
Active and passive coping strategies in chronic pain patients
A.L. Snow-Turek, M.P. Norris and G. Tan (USA) 455
Multiple reflex sympathetic dystrophy. Which patients are at risk for developing a recurrence of reflex sympathetic dystrophy in the same or another limb
P.H.J.M. Veldman and R.J.A. Goris, M.D., Ph.D. (The Netherlands) 463
Central and peripheral mechanisms in chronic tension-type headache
G.L. Lipchik, K.A. Holroyd, C.R. France, S.A. Kvaal, D. Segal, G.E. Cordingley, L.A. Rokicki and H.R. McCool (USA) 467
Pain sensitivity in silent myocardial ischemia
M. Glusman, J. Coromilas, W.C. Clark, M.N. Janal, D.K. Blood, J.P. Kuhl and K. Burns (USA) 477
Laser-evoked cerebral potentials and sensory function in patients with central pain
K.L. Casey, A. Beydoun, J. Boivie, B. Sjolund, H. Holmgren, G. Leijon, T.J. Morrow and I. Rosen (USA, Sweden) 485
Characterization of a rat model of incisional pain
T.J. Brennan, E.P. Vandermeulen and G.F. Gebhart (USA) 493
Chromic gut suture reduces calcitonin-gene-related peptide and substance P levels in the spinal cord following chronic constriction injury in the rat
J. Xu, C.H. Pollock and K.C. Kajander (USA) 503
Abnormal discharge originates at the site of nerve injury in experimental constriction neuropathy (CCI) in the rat
M. Tal and E. Eliav (Israel) 511
Management of cancer pain in Denmark: a nationwide questionnaire survey
P. Sjøgren, A.-M. Banning, N.-H. Jensen, M. Jensen, M. Klee and A. Vainio (Denmark, Finland) 519
Direct conversion from oral morphine to transdermal fentanyl: a multicenter study in patients with cancer pain
B. Donner, M. Zenz, M. Tryba and M. Strumpf (Germany) 527

The opposite effects of the opiate antagonist naloxone and the cholecystokinin antagonist proglumide on placebo analgesia
F. Benedetti (Italy) 535
Excitatory amino acid antagonists in the rostral ventromedial medulla inhibit mesencephalic morphine analgesia in rats
M. Spinella, M.L. Cooper and R.J. Bodnar (USA) 545
Desensitization follows excitation of bladder primary afferents by intravesical capsaicin, as shown by c-*fos* activation in the rat spinal cord
F. Cruz, A. Avelino and A. Coimbra (Portugal) 553
Enhanced effects of co-administered dexamethasone and diclofenac on inflammatory pain processing and associated spinal c-Fos expression in the rat
J. Buritova, P. Honoré, V. Chapman and J.-M. Besson (France) 559
Compulsive targeted self-injurious behaviour in humans with neuropathic pain: a counterpart of animal autotomy? Four case reports and literature review
A. Mailis (Canada) 569
Behavioral outcome of posterior parietal cortex injury in the monkey
W.K. Dong, T. Hayashi, V.J. Roberts, B.M. Fusco and E.H. Chudler (USA) 579

Clinical Notes

A case of uncommon withdrawal symptoms after a short period of spinal morphine administration
J. Devulder, P. Bohyn, F. Castille, M. De Laat and G. Rolly (Belgium) 589
Peripheral analgesic effect of intra-articular clonidine
M. Gentili, A. Juhel and F. Bonnet (France) 593
Comparison between celiac plexus block and morphine treatment on quality of life in patients with pancreatic cancer pain
M. Kawamata, K. Ishitani, K. Ishikawa, H. Sasaki, K. Ota, K. Omote and A. Namiki (Japan) 597

Corrigenda

Modulation of pressure pain thresholds during and following isometric contraction
E. Kosek and J. Ekholm (Sweden) 603
Increased pressure pain sensibility in fibromyalgia patients is located deep to the skin but not restricted to muscle tissue
E. Kosek, J. Ekholm, P. Hansson (Sweden) 605

Erratum

Estrogen and progesterone activate spinal kappa-opiate receptor analgesic mechanisms
M.E. Dawson and A.R. Gintzler 607

Author Index to Volume 64 617

Contents to Volume 64 621